



syovac

Swiss manufacturer of precision measuring instruments since 1969

# Hi\_Cal 150/300/450mm

THE BEST VERTICAL HEIGHT GAUGE ON THE MARKET



Swiss manufacturer of precision digital measuring instruments since 1969, SYLVAC has now developed a complete range of instruments to help you deal with all kind of applications.

**SWISS  
MADE**

**MOTORIZED**

**OPERATOR FRIENDLY**

**SMALL FOOTPRINT,  
BIG RESULTS !**



# Switch on & measure !



## Hi\_Cal 150/300/450

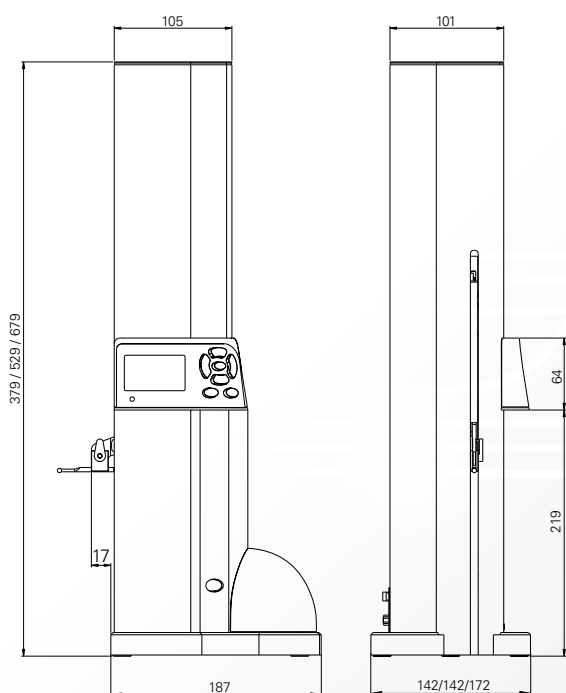
- Intuitive functions
- Great mobility
- Measurement of internal and external diameters, centerlines, heights, thicknesses, depths, surfaces...
- 150, 300 & 450mm range
- Data output USB & RS232
- Extremely low measuring force
- No influence of the operator on the measurement results
- Battery life : 40 hours
- Probe constant value memorized even when switched off
- Motorized displacement paddle

### TECHNICAL SPECIFICATIONS

		830.0150	830.0300	830.0450
Measuring range	mm	150	300	450
Application range	mm	0 - 155	0 - 320	0 - 470
Max. Error.	µm	2.5 + L / 175 <sup>1)</sup>		
Repeatability	µm	2		
Resolution	mm	0.01 / 0.001		
Velocity	mm/s	50 / 100		
Measuring force	N	0.2 - 0.3		
Self-contained use	h	>40		
Height	mm	379	529	679
Weight	kg	3.9	4.6	6.8
Connection		USB (mini B) / RS232 <sup>2)</sup>		
Functions		Programmable by PC, zero setting, min/max/delta, preset, 2 references, heights, diameters and centerlines measurements, 2 progressive speeds		

<sup>1)</sup> With standard probe, in laboratory conditions

<sup>2)</sup> see cables chapter on the Sylvac catalogue



### DELIVERY

- Instrument according to technical specifications
- Charging set
- Ruby ball probe Ø3mm
- Setting gauge
- Calibration certificate
- Instrument manual

## DISPLAY



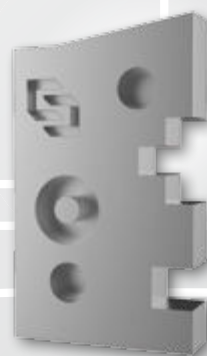
- 1) Measuring unit and active reference    2) Display of measuring value
- 3) Active measuring mode    4) Centerline display    5) Dynamic measuring mode
- 6) Diameter / height measurement    7) Access to setting menu
- 8) Selection of reference Ref I / Ref II    9) ON / OFF Switch
- 10) Ball probe constant    11) Value setting / Initialization of min, max mode
- 12) Luminous indication of valid measurement

## ACCESSORIES

Anvils & full accessories available on the Sylvac catalogue.



930.2150 - Full accessory box.



Demo piece



Setting bloc

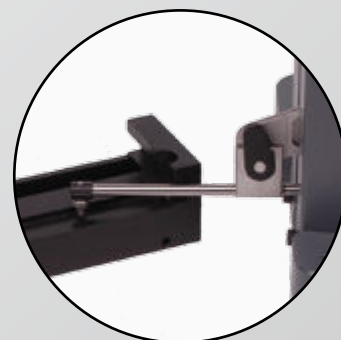
## APPLICATIONS



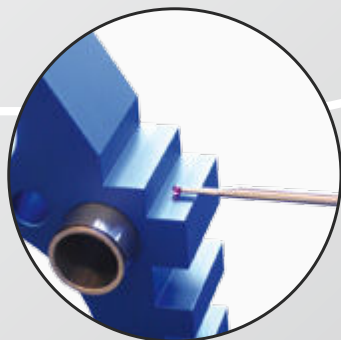
Depth measurement with accessories  
930.2108 and 930.2105



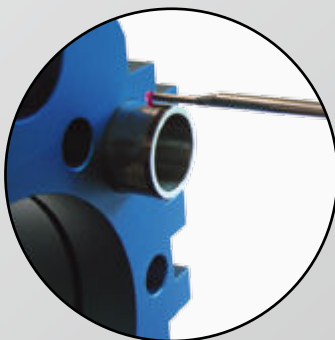
Internal measurement with ruby ball  
probe Ø 3 mm, 930.2101 (standard)



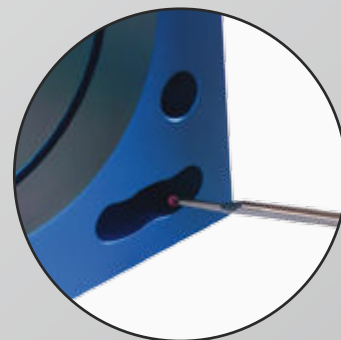
Depth measurement with accessories  
930.2107 and 905.2204



Heights and thicknesses measurements  
with the standard probe 930.2101



External diameter measurement with  
the standard probe 930.2101



Min/Max/Delta measurements

